

Anti-Cardiac Troponin I [scFv 180] Bulk Size Ab00434-1.4-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This full-length, chimeric mouse antibody was made using the variable domain sequences of the original Chicken scFv format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG1, [Fc Silent™](#), Lambda

Clone Number: scFv 180

Alternative Name(s) of Target: TNNI3; cTnI; cTn-I

UniProt Accession Number of Target Protein: P19429

Published Application(s): SPR, WB

Published Species Reactivity: Human

Immunogen: Cardiac Troponin I peptide (KISASRKLQLKT).

Specificity: This antibody binds specifically to the cardiac Troponin I Peptide KISASRKLQLKT. This epitope is 100% conserved among a great variety of mammalian species, including most monkeys, Squirrel, Hamster, Mouse, Rat, Rabbit, Whales, Mole-Rat, Antelope and several other mammals.

Application Notes: Troponin I is the inhibitory subunit of troponin, the thin filament complex that confers calcium-sensitivity to muscle-actomyosin ATPase activity. Cardiac Troponin I in the blood is also a marker for several heart muscle damages including myocardial infarction.

Antibody First Published in: Conroy et al. Reconciling the structural attributes of avian antibodies. Journal of Biological Chemistry 2014; 289(22):15384-15392 [PMID:24737329](#)

Note on publication: Describes the use of phage display libraries to generate chicken antibodies against human cardiac troponin and PSA with subsequent crystallisation.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer

storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.